

START

ENGINEERING CHANGE NOTICE

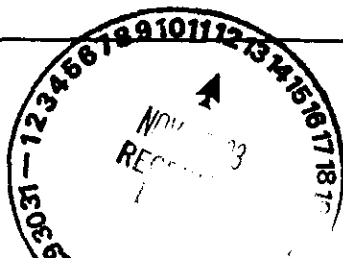
Page 1 of 2

1. ECN **603858**

Proj.
ECN

2. ECN Category (mark one) Supplemental <input checked="" type="checkbox"/> Direct Revision <input type="checkbox"/> Change ECN <input type="checkbox"/> Temporary <input type="checkbox"/> Standby <input type="checkbox"/> Supersedeure <input type="checkbox"/> Cancel/Void <input type="checkbox"/>		3. Originator's Name, Organization, MSIN, and Telephone No. J. M. Frain		4. Date 10/29/93	
		5. Project Title/No./Work Order No. 100 Area Excavation Treatability Test		6. Bldg./Sys./Fac. No. 100-F	
		8. Document Numbers Changed by this ECN (includes sheet no. and rev.) WHC-SD-EN-TC-004, Rev. 0-A		9. Related ECN No(s). 113778, 197995	
				10. Related PO No. NA	
11a. Modification Work <input type="checkbox"/> Yes (fill out Blk. 11b) <input checked="" type="checkbox"/> No (NA Blks. 11b, 11c, 11d)		11b. Work Package No. NA	11c. Modification Work Complete NA		11d. Restored to Original Condition (Temp. or Standby ECN only) NA
		Cog. Engineer Signature & Date		Cog. Engineer Signature & Date	
12. Description of Change 1. The excavation in lifts will stop when the detector cart has met performance levels. If necessary, the bentonite from the vadose boring will be removed to remove traces of contamination. One of the six full suite samples (gamma, TAL metals, anions, total activity) will be taken at the bottom of the excavated area. In addition to removing the bentonite, up to three test pits may be taken to examine the soil for migrating contamination. Total activity and/or gamma energy analysis will be used to verify the lack of contamination in these test pits. Full suite verification of the bottom/slope of the excavation will be conducted as described in the test procedures. Only one of the full suite samples will include VOA and Semi-VOA analysis. 2. The testing of the surfactants (as described in Appendix B) will not continue unless the wind speed increases and the moisture content of the soil decreases enough to allow dust to become windborn.					
13a. Justification Criteria Change <input checked="" type="checkbox"/> Design Improvement <input type="checkbox"/> Environmental <input type="checkbox"/> As-Found <input type="checkbox"/> Facilitate Const. <input type="checkbox"/> Const. Error/Omission <input type="checkbox"/> Design Error/Omission <input type="checkbox"/>					
13b. Justification Details 1. Additional excavation is unnecessary if performance levels have been met. The procedures assumed contamination to a depth of 25 ft. and did not discuss the option of meeting the performance levels prior to reaching 25 ft. Test pits will be dug to examine lateral extent of the excavation. 2. Tests conducted to date are inconclusive. Additional tests will not provide useful information unless weather and soil conditions change. To date, very little water has been used to control dust and comparisons on this limited scope will not be valid.					
14. Distribution (include name, MSIN, and no. of copies) J. M. Frain (1) H6-04 J. E. Darling (1) S3-90 G. S. Corrigan (1) H4-16 C. D. Hayes (1) S3-90 J. M. Ayres (1) H6-02 J. G. Wooldard (1) H6-05 D. B. Blumenkranz (1) H6-04 EPIC (2) (1) H6-08 L. M. Bergmann (1) H6-05 Central Files (2) L8-04				RELEASE STAMP OFFICIAL RELEASE 11 BY WHC DATE NOV 09 1993 <i>Station #12</i>	

A-7900-013-2 (06/92) GEF095



A-7900-013-1 (06/92)

ENGINEERING CHANGE NOTICE

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1. ECN (use no. from pg. 1)

60388 ⁶⁰³⁸⁵⁸

15. Design Verification Required

☐ Yes
☒ No

16. Cost Impact

ENGINEERING

Additional ☐ \$

Savings ☐ \$

CONSTRUCTION

Additional ☐ \$

Savings ☐ \$

17. Schedule Impact (days)

Improvement ☐

Delay ☐

18. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 12. Enter the affected document number in Block 19.

SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

19. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision

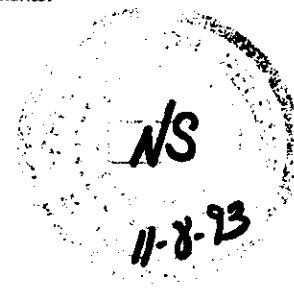
Document Number/Revision

Document Number Revision

NONE

20. Approvals

Signature	Date	Signature	Date
OPERATIONS AND ENGINEERING		ARCHITECT-ENGINEER	
Cog Engineer J. M. Frain <i>J. M. Frain</i>	11-3-93	PE	
Cog. Mgr. JG Woolard <i>J. G. Woolard</i>	11/3/93	QA	
QA G. S. Corrigan <i>G. S. Corrigan</i>	11-3-93	Safety	
Safety		Design	
Security		Environ.	
Environ.		Other	
Projects/Programs			
Tank Waste Remediation System			
Facilities Operations		DEPARTMENT OF ENERGY	
Restoration & Remediation		Signature or Letter No.	
Operations & Support Services			
IRM		ADDITIONAL	
Other			

Date Received: 11/8/93		INFORMATION RELEASE REQUEST		Reference: WHC-CM-3-4																																																					
Complete for all Types of Release																																																									
Purpose <input type="checkbox"/> Speech or Presentation <input type="checkbox"/> Full Paper (Check only one suffix) <input type="checkbox"/> Summary <input type="checkbox"/> Abstract <input type="checkbox"/> Visual Aid <input type="checkbox"/> Speakers Bureau <input type="checkbox"/> Poster Session <input type="checkbox"/> Videotape			<input type="checkbox"/> Reference <input type="checkbox"/> Technical Report <input type="checkbox"/> Thesis or Dissertation <input type="checkbox"/> Manual <input type="checkbox"/> Brochure/Flier <input type="checkbox"/> Software/Database <input type="checkbox"/> Controlled Document <input type="checkbox"/> Other			ID Number (include revision, volume, etc.) ECN 603858 List attachments. NONE SD-EN-TC-004 Date Release Required <div style="text-align: right;">10/29/93</div>																																																			
Title ECN 603858 to the 100 Area Excavation Treatability Test Procedures WHC-SD-EN-TC-004, Rev. 0-0-A				Unclassified Category UC- N/A																																																					
New or novel (patentable) subject matter? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <i>ye</i> If "Yes", has disclosure been submitted by WHC or other company? <input type="checkbox"/> No <input type="checkbox"/> Yes Disclosure No(s). N/A				Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify) N/A																																																					
Copyrights? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If "Yes", has written permission been granted? <input type="checkbox"/> No <input type="checkbox"/> Yes (Attach Permission)				Trademarks? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Identify)																																																					
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Title of Conference or Meeting N/A			Group or Society Sponsoring N/A																																																						
Date(s) of Conference or Meeting N/A		City/State		Will proceedings be published? <input type="checkbox"/> Yes <input type="checkbox"/> No Will material be handed out? <input type="checkbox"/> Yes <input type="checkbox"/> No																																																					
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CHECKLIST FOR SIGNATORIES																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:40%;">Review Required per WHC-CM-3-4</th> <th style="width:10%;">Yes</th> <th style="width:10%;">No</th> <th style="width:40%;">Reviewer - Signature Indicates Approval</th> </tr> <tr> <th></th> <th></th> <th></th> <th style="text-align: center;">Name (printed) Signature Date</th> </tr> </thead> <tbody> <tr><td>Classification/Unclassified Controlled</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Nuclear Information</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Patent - General Counsel</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Legal - General Counsel</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Applied Technology/Export Controlled</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Information or International Program</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>WHC Program/Project</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Communications</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>RL Program/Project</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Publication Services</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> <tr><td>Other Program/Project</td><td><input type="checkbox"/></td><td><input checked="" type="checkbox"/></td><td></td></tr> </tbody> </table>						Review Required per WHC-CM-3-4	Yes	No	Reviewer - Signature Indicates Approval				Name (printed) Signature Date	Classification/Unclassified Controlled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Nuclear Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Patent - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Legal - General Counsel	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Applied Technology/Export Controlled	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Information or International Program	<input type="checkbox"/>	<input checked="" type="checkbox"/>		WHC Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Communications	<input type="checkbox"/>	<input checked="" type="checkbox"/>		RL Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Publication Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>		Other Program/Project	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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Information conforms to all applicable requirements. The above information is certified to be correct.																																																									
References Available to Intended Audience <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Transmit to DOE-HQ/Office of Scientific and Technical Information <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Author/Requestor (Printed/Signature) JM Frain <i>JM 2</i> Date 11-3-93			<div style="text-align: center;"> INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP Stamp is required before release. Release is contingent upon resolution of mandatory comments.  </div>																																																						
Intended Audience <input type="checkbox"/> Internal <input type="checkbox"/> Sponsor <input checked="" type="checkbox"/> External Responsible Manager (Printed/Signature) JG Woolard <i>JG Woolard</i> Date 11/8/93			Date Cancelled _____ Date Disapproved _____																																																						